

MIDESSA (MIDLAND COUNTY) MIDLAND, TEXAS



EPA REGION 6 CONGRESSIONAL DISTRICT 11

EPA ID# TXN000606668
Site ID: 0606668

Contacts:
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Updated: October 2007

Current Status

The Midessa Ground Water Plume Site was proposed to the National Priorities List on September 19, 2007. The EPA is currently reviewing the site information and developing the scope of the planned Remedial Investigation activities. The initial focus of the investigation will be on understanding how the contaminant migration has been affected by pumping from the private water wells and possible source areas for the ground water contamination.

The TCEQ will continue maintenance of the filtration systems installed on the private water supply wells, and a performance sampling event for the filtration systems is planned for November 2007. There are nine filtration systems currently installed at the site.

Benefits

Without identification and investigation of the source of ground water contamination, more private wells may be contaminated.

National Priorities Listing (NPL) History

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|------------------------------|--------------------|
| NPL Inclusion Proposal Date: | September 19, 2007 |
| NPL Inclusion Final Date: | NA |

Site Description

The Site consists of a contaminated ground water plume originating from an unidentified source(s). The contaminant plume is located along County Road 1290, between Interstate 20 to the south, and Interstate Business 20 to the north. The Trinity aquifer is the only ground water source for drinking water in the site area. The water table is present at approximately 65 feet below the ground surface and the base of the aquifer is approximately 110 feet below ground surface. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is expected to be generally to the south-southeast.

Wastes and Volumes

The ground water plume contains tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene, and 1,1-dichloroethane. The site is being evaluated as a ground water contaminant plume with no identified source. The maximum observed concentration of PCE is 1200 micrograms per liter [$\mu\text{g/L}$ or parts per billion (ppb)]. The outer boundary of the plume has not yet been defined but the existing sample data obtained from the private water wells has indicated a plume of at least 0.5 mile in length.

Health Considerations

There is no other potable water supply for the residents. Human exposure is currently prevented through ground water sampling and the use of filtration systems on individual private wells.

Record of Decision (ROD)

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study and an opportunity for the community and interested parties to review the data and comment on the preferred remedy identified by the EPA.

Site Contacts

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| EPA Remedial Project Manager: | Vincent Malott | 214-665-8313 |
| EPA Community Involvement Coordinator | Phyllis June Hoey | 214-665-8522 |
| EPA Site Attorney: | Jeff Clay | 214-665-7132 |
| EPA Regional Public Liaison: | Arnold Ondarza | 214-665-6701 |
| TCEQ Project Manager | Omar Valdez | 512-239-6858 |
| EPA Superfund Region 6 Toll Free Number: | 1-800-533-3508 | |

Information Repository: Ector County Public Library in Odessa, Texas

Site Map

The following site map illustrates the private water supply wells that exceed drinking water standards for one or more chemicals (red circles), or have detected one or more chemicals that are below drinking water standards (yellow circle). The remaining wells (green circle) have either non-detects for chemicals in the water sample or have not been sampled (wells GW 46, 47, 48, 49).

